

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	((("6729546") or ("5654540") or ("20040069855") or ("20050117144")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/06 19:34
S120	47	((("6033090") or ("5463214") or ("6234397") or ("5514858") or ("6250551") or ("6513714") or ("6405925") or ("5378883") or ("6158661") or ("5481098") or ("6491223") or ("5569902") or ("5331176") or ("5598007") or ("6247645") or ("5697699") or ("5619029") or ("5149948") or ("5406060") or ("5586212") or ("5859418") or ("3726998") or ("6592040")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/06 15:03
S121	43	((("5177346") or ("6352204") or ("4820911") or ("5291009") or ("5349172") or ("5354977") or ("5484994") or ("5532467") or ("5591955") or ("5606160") or ("5623137") or ("5703348") or ("5756981") or ("5777314") or ("5894348") or ("5907148") or ("5969321") or ("5992751") or ("6036095") or ("6060722") or ("6105869") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/06 15:03

		("6119939") or ("6267294")).PN.				
S122	19	"6283374"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S123	21	((("6283374") or ("6360948") or ("6371374") or ("6385352") or ("6575367") or ("6607128") or ("20020096566") or ("20020125322") or ("20030062418") or ("20010027999"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/06 15:03
S124	74	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S125	13	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S126	17	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S127	102	(barcode or "bar code" or bar-code or image or symbol or indica) and (S120 or S121 or S123)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S128	39	(barcode or "bar code" or bar-code or image or symbol or indica) and (S120 or S121 or S123) and (aim\$4 or pipe or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S129	34	(barcode or "bar code" or bar-code or image or symbol or indica) and (S120 or S121 or S123) and (aim\$4 or pipe or ring) and (dark or low- angle or angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S130	21	(barcode or "bar code" or bar-code or image or symbol or indica) and (S120 or S121 or S123) and (aim\$4 or pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S131	10	(barcode or "bar code" or bar-code or image or symbol or indica) and (S120 or S121 or S123) and (pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S132	1	(barcode or "bar code" or bar-code or image or symbol or indica) and (S120 or S121 or S123) and pipe and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S133	1260	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe and dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S134	69	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe same dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S135	558	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S136	208	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S137	15	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular) and field near3 view	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S138	27	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S139	198	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S140	17	(barcode or "bar code" or bar-code or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S141	250	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (handheld or hand-held or portable or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S142	49	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (handheld or hand-held or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S143	602	"235"/\$.cds. and light near2 (ring or pipe)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S144	207	"235"/\$.cds. and light near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S145	53	"235"/\$.cds. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S146	12	"235"/\$.cds. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and rectangular same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S147	13	"235"/\$.cds. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and (rectangular or rectangle) same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S148	786	"235"/\$.cds. and (illuminat\$4 or light) near2 aim\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S149	401	"235"/\$.ccds. and (illuminat \$4 or light) near2 aim\$4 same (ccd or image near1 sens\$6 or cmos or imag \$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S151	43	((("5177346") or ("6352204") or ("4820911") or ("5291009") or ("5349172") or ("5354977") or ("5484994") or ("5532467") or ("5591955") or ("5606160") or ("5623137") or ("5703348") or ("5756981") or ("5777314") or ("5894348") or ("5907148") or ("5969321") or ("5992751") or ("6036095") or ("6060722") or ("6105869") or ("6119939") or ("6267294"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/06 15:03
S152	19	(S150 or S151) and (pipe or tube or hollow or needle or lumen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S153	2	"20050087601"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S154	11	(S150 or S151) and (pipe or tube or hollow or needle or lumen) and (bright or dark or (low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S155	1266	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S156	321	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S157	179	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low adj1 angle) or (high adj1 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S158	2	"20050047723"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S159	557	light adj1 pipe near6 (circle or circular or ring or retang\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S160	37	light adj1 pipe near6 (circle or circular or ring or retang\$6) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S161	87	light adj1 pipe near6 (circle or circular or ring or retang\$6 or shape) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S162	7132	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) same (ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S163	2899	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near5 (ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S164	3772	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S165	1804	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S166	109	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S167	20	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S168	13	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S169	13	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S170	15468	"light pipe"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S171	77	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (diffus\$4 or tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S172	1	10/693636	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S174	1	10/693626 and lumen.dlm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S175	265	rectang\$5 near2 light near2 pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S176	68	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S177	0	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica) and "235"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S178	58	rectang\$5 near2 light near2 pipe same (barcode or "bar code" or bar-code or image or symbol or indica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S179	47	((("6033090") or ("5463214") or ("6234397") or ("5514858") or ("6250551") or ("6513714") or ("6405925") or ("5378883") or ("6158661") or ("5481098") or ("6491223") or ("5569902") or ("5331176") or ("5598007") or ("6247645") or ("5697699") or ("5619029") or ("5149948") or ("5406060") or ("5586212") or ("5859418") or ("3726998") or ("6592040"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/06 15:03
S181	19	"6283374"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S183	74	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S184	13	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S185	17	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S186	102	(barcode or "bar code" or bar-code or image or symbol or indica) and (S179 or S180 or S182)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S187	39	(barcode or "bar code" or bar-code or image or symbol or indica) and (S179 or S180 or S182) and (aim\$4 or pipe or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S188	34	(barcode or "bar code" or bar-code or image or symbol or indica) and (S179 or S180 or S182) and (aim\$4 or pipe or ring) and (dark or low-angle or angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S189	21	(barcode or "bar code" or bar-code or image or symbol or indica) and (S179 or S180 or S182) and (aim\$4 or pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S190	10	(barcode or "bar code" or bar-code or image or symbol or indica) and (S179 or S180 or S182) and (pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S191	1	(barcode or "bar code" or bar-code or image or symbol or indica) and (S179 or S180 or S182) and pipe and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S192	1260	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe and dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S193	69	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe same dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S194	558	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S195	208	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S196	15	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular) and field near3 view	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S197	27	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S198	198	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S199	17	(barcode or "bar code" or bar-code or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S200	250	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (handheld or hand-held or portable or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S201	49	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (handheld or hand-held or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S202	602	"235"/\$.cds. and light near2 (ring or pipe)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S203	207	"235"/\$.cds. and light near2 (ring or pipe) same (ccd or image near1 sens \$6 or cmos or imag\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S204	53	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S205	12	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and rectangular same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S206	13	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and (rectangular or rectangle) same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S207	786	"235"/\$.ccls. and (illuminat\$4 or light) near2 aim\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S208	401	"235"/\$.ccls. and (illuminat\$4 or light) near2 aim\$4 same (ccd or image near1 sens\$6 or cmos or imag\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S209	1266	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S210	321	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S211	179	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low adj1 angle) or (high adj1 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S212	2	"20050047723"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S213	557	light adj1 pipe near6 (circle or circular or ring or retang\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S214	37	light adj1 pipe near6 (circle or circular or ring or retang\$6) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S215	87	light adj1 pipe near6 (circle or circular or ring or retang\$6 or shape) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S216	7132	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) same (ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S217	2899	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near5 (ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S218	3772	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S219	1804	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S220	109	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S221	20	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

S223	13	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S224	15468	"light pipe"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S225	77	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (diffus\$4 or tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S226	1	10/693636	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S227	1	10/693626 and lumen.dlm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S228	265	rectang\$5 near2 light near2 pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S229	68	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S230	0	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica) and "235"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03
S231	58	rectang\$5 near2 light near2 pipe same (barcode or "bar code" or bar-code or image or symbol or indica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/06 15:03

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